

USBR (b)(2) Water Toolbox Measures

The "tools" in the USBR's tool"box for managing 3406(b)(2) or "(b)(2)" water are included in the Department of Interiors Final Administration Proposal dated November 20, 1997. Specifically, these "tools" are described in detail in Appendix C of the Proposal.

This memorandum summarizes Reclamations's "tools" and discusses how they may integrate with the CALFED staging process.

JOINT POINT OF DIVERSION

Reclamation:

- Allows the SWP to pump CVP water when the CVP experiences conveyance constraints downstream of Tracy.
- Could enhance operational flexibility by providing an intertie between the DMC and SWP Aqueduct.
- Increased export capacity up to an average of 250,000 acre-feet per year. Increased export capacity (Dec-Mar). Increased water transfer capacity (July -Nov)
- Implemented in January 1998 for a 5-year period.

CALFED:

For the South Delta conveyance, the first stage of implementation will include "joint point of diversions" operations and project environmental documentation and permitting for the SWP/CVP "intertie".

LAND RETIREMENT

Reclamation:

- Land Retirement Program that is limited to willing buyer/willing seller transactions with a preference for drainage-impaired lands in the CVP area.
- Purchase will occur in to different ways: 1) Reclamation will purchase the land and water and wake water available for environmental purposes, or) 2) Reclamation will purchase the land only and the water will remain in the district.
- RFP's issued by Reclamation in 1997 resulted in offers to sell 27,000 acres. Reclamations plans to purchase 12,500 acres. In 1998, Reclamation will issue another RFP for purchasing up to 90,000 acres over the next 5 years. Consistent with the budget of \$52M they plan to purchase an additional 40,000 acres.

CALFED:

The first stage of the CALFED Water Quality Program includes studies, testing, and pilot land retirement evaluations for quality purposes on drainage impaired lands. Some land conversion will take place as a result of the Ecosystem Restoration Program.

WATER PURCHASES ON UPSTREAM RIVER TRIBUTARIES**Reclamation:**

- Water purchases from willing sellers on tributaries upstream of the Delta to meet tributary flow requirements previously identified by the USFWS.
- Will make approximately 150,000 acre-feet of water available to meet previously identified, high priority AFRP flows.
- Interior has currently identified 320,000 acre-feet of water for AFRP flows. Interior will continue to negotiate purchases on upstream tributaries until: (1) contracts are executed for 150,000 acre-feet of high priority AFRP flows on upstream tributaries. 2) the high priority AFRP flows on all upstream tributaries have been achieved, or (3) no willing sellers can be identified on streams where high priority AFRP flows are not being met..
- Short term purchases to start in 1998.

CALFED:

In stage one of the ecosystem restoration program ecosystem water purchases to avoid regulatory reallocation will begin. Studies/design/ environmental documentation for water development for will conducted.

WATER RESERVE ACCOUNT**Reclamation:**

- A Water Reserve Account will be created for environmental, agricultural, and urban purposes. In the short-term (1998-2000), the Account would consist of up to 450,000 acre-feet of groundwater banked in Kern County Water Agency service area. In the long-term (beyond 2000), the Account would consist of up to 350,000 acre-feet banked in the Madera Ranch Groundwater Banking Project. Both areas would store water available through implementation of the joint point of diversion.
- Up to 200,000 acre-feet developed from land retirement, joint point of diversion and other sources is placed into storage into the Water Reserve Account for environmental uses.
- The Reserve Account will also include up to 200,000 acre-feet of water for agricultural and urban uses including increased deliveries to consumptive uses.

- The short-term Kern County Water Reserve Account is being negotiated and proposed to start in 1998. Reclamation will conclude its investigation in to the suitability of Madera Ranch as a long-term Reserve Account in 1998.

CALFED:

The stage one Conjunctive Use Program will develop conjunctive use programs with cooperating local entities and expand the Kern Water Bank and the Madera Groundwater Banking Project.

TIME SHIFTING

Reclamation:

Time shifting of water deliveries will be used to enhance real-time management of the system that could result in less conflict between water-user needs and the environment.

Examples include:

- Allows water users south of the Delta to forego taking water in the spring months when fish are greatest. And then making up the water later in the year because of the increased
- Could be used to minimize the impacts of the joint point on the ability of water users to carryover or reschedule supplies in San Luis Reservoir.
- Could be used to maintain the low point in San Luis Reservoir and provide operational reliability for public health and safety and other critical purposes.

CALFED:

Many of the time shifting opportunities to improve the environment, water supply, and water quality will be evaluated in the Phase II CALFED planning process.